



1997-98 KIRIS ASSESSMENT

Open-Response Item Scoring Worksheet

Grade 5—Vocational Studies

The **academic expectation** addressed by the open-response item “Places for Joy to Work” is

2.37. Students demonstrate skills and work habits that lead to success in future schooling and work.

The **core content** assessed by this item includes

- Computers are used in many homes, schools, jobs, and careers (e.g., supermarket scanners, library book checkouts, accounting systems).

Places for Joy to Work

Joy is really good at using computers. She would like to find a job where she can put this skill to use.

- a. Suggest THREE different jobs Joy might consider.
- b. Explain how she would use computers on each of the three jobs.



SCORING GUIDE

Grade 5 Vocational Studies

Score	Description
4	Student suggests 3 jobs and clearly explains how to use the computer at each job.
3	Student suggests 3 jobs and explains in general terms how to use the computer at each job. OR Student suggests 2 or 3 jobs and clearly explains how to use the computer at 2 jobs.
2	Student suggests 2 or 3 jobs and clearly explains how to use the computer at 1 job or explains in general terms how to use the computer at 2 jobs. OR Student suggests 1 job and clearly explains how to use the computer at 1 job.
1	Student suggests 1 job and explains in general terms how to use the computer. OR Student suggests 1 or more jobs without explaining how to use the computer. OR Student explains how to use the computer without specifying any jobs.
0	Response is totally incorrect or irrelevant.
Blank	No answer.

Examples of explanations:

- Computer programmer uses the computer to help other businesses work better.
- Computer teacher helps people use the computer to get a job, keep track of their money.
- Architects use computers to design houses.
- Cashiers use computers to tell how much the customer should pay.
- Secretaries use computers to type letters.
- Computer sales person demonstrates and explains computer features/functions.
- Bank tellers use computers to see how much money is in your account.

NOT explanations (repeats job name):

- Computer programmer writes computer programs.
- Computer teacher teaches people to use the computer.
- Computer sales person sells computers.



ANNOTATED STUDENT RESPONSE

Grade 5 Vocational Studies

Sample 4-Point Response of Student Work

Student Response

a.) Three different jobs that Joy might consider to put her computer skills to use are:

- 1) a computer technician
- 2) a secretary
- 3) a computer software programmer

b.) If Joy were a computer technician, she would get to use computers by building and repairing computers. After that, she would have to make sure they work. A secretary uses a computer by going in and getting information on students and printing announcements and such. A computer software programmer uses a computer by going in and programming anything into the computer that needs to be programmed before the computer is sold. That is how Joy would use computers on each of the three jobs.

Student suggests three jobs Joy might consider (i.e., a computer technician, a secretary, and a computer software programmer).

Student clearly explains how Joy would use computers at each job (i.e., a computer technician would build and repair computers; a secretary would get information on students and print announcements; and a computer software programmer would program “anything into the computer that needs to be programmed before the computer is sold”).

Overall, student suggests three possible jobs and clearly explains how computers would be used at each job. Details in the response demonstrate a strong understanding of how computers would be used in the workplace.



ANNOTATED STUDENT RESPONSE

Grade 5 Vocational Studies

Sample 3-Point Response of Student Work

Student Response

A. Three jobs that Joy could do using computers would be 1) computer teacher, 2) a police officer, and an 3) architect.

B. 1) You would use computers as a computer teacher to teach computer skills.

2) A police officer would use a computer for putting criminal files in a computer.

3) An architect would use a computer to draw blueprints of his buildings.

← Student suggests three jobs Joy might consider (i.e., computer teacher, police officer, and architect).

← Student provides two clear explanations of how computers would be used at the workplace (i.e., “police officer would use a computer for putting criminal files in a computer” and “architect would use a computer to draw blueprints of his buildings”). The student does not provide an explanation of how a computer teacher would use a computer on the job.



ANNOTATED STUDENT RESPONSE

Grade 5 Vocational Studies

Sample 2-Point Response of Student Work

Student Response

I will tell you 3 different jobs Joy can do involved with computers. A. Secretary, carpenter, and scientist. B. A secretary would need a computer to keep track on things. A scientist would need a computer to write down important files. A carpenter would need a computer to design a house. I have told you 3 different jobs Joy can do involved with computers.

← Student suggest three jobs Joy might consider (i.e., secretary, carpenter, and scientist).

← Student provides a general explanation for how Joy would use computers as a scientist (i.e., “to write down important files”) and as a secretary (i.e., “to keep track on things”). Explanation for carpenter is somewhat inappropriate because carpenters typically do not design houses.

Sample 1-Point Response of Student Work

Student Response

A. I think she could work at a store, work at school or work at the bank. B. Why she could work at these places is because at a store they check you out and that has to do with a compture. Work at school because she could teach someone how to type on the comptper with out punching it. Work at a bank cause, in a compture it tells how much money you have in the bank or in your account.

← Student lists three places that Joy might work, but does not specifically name any jobs.

← Student attempts to explain how computers would be used at a store, a school, and a bank, but the explanation is unclear and weak.



INSTRUCTIONAL STRATEGIES

Grade 5 Vocational Studies

The open-response item “Places for Joy to Work” assesses students’ understanding that computers are used in a variety of ways in the workplace. The instructional strategies below present ideas to help students explore and master this concept.

Invite various community members to the classroom to talk about how they use computers in their work.

Have students become familiar with the computer through the following activities:

- Use a computer to create a database for a math or science project.
- Write a first draft of a paper, then type the rough draft on the computer. Make revisions and corrections directly on the computer.
- Use the Internet to research an assignment.

Have students work individually, in pairs, and/or in small groups to complete any or all of the following activities:

- Choose a job and research how the job requires someone to use computer skills. Present findings to the class.
- Interview one or more individuals from the community (e.g., business leaders, computer programmers, school secretaries) about how they use computer skills each day.
- Create a poster board showing how computer skills are used in the real world.
- Choose a career path and then research via the Internet how computer skills are important to that career. Write a paper summarizing the results. This paper could then go into the writing portfolio.